

Borough of Middleton.


Annual Report

OF THE

Schools' Medical Officer

FOR THE YEAR 1917

J. Verity, Printer, "The Electric Press," Middleton.



Digitized by the Internet Archive
in 2018 with funding from
Wellcome Library

<https://archive.org/details/b29799016>

Post Office Buildings,
Middleton,

March, 1918.

To the Chairman and Members of the Education Committee.
Madam and Gentlemen,—

I have the honour to submit the Annual Report on the Schools and School Children in the Borough, together with an abridged account of the conditions observed in the course of Medical Inspection during the year 1917.

This report is again considerably less detailed than previous ones, as it is more than ever desirable to economise the amount of paper employed.

The work in connection with the Schools has, in spite of much difficulty, been carried out in precisely the same manner and to the same extent as formerly.

The same groups of children have been examined, and the total of routine inspections was 1,736.

Dr. Harry has continued his monthly visits to examine children with defects of vision, and with few exceptions his advice has been followed, and the necessary glasses obtained.

There has been a great increase in the number of cases of Scabies, and these have presented much difficulty in inducing the parents to undertake the troublesome and tedious treatment necessary for their cure.

I am,

Yours faithfully,

FREDK. J. WHEELDON,

School Medical Officer.

GENERAL REVIEW OF THE HYGIENIC CONDITION OF THE SCHOOLS.

There is no alteration in the Schools and Accommodation since my last report.

The total number of children in average attendance during the year was—

Number of children on Registers, Jan., 1918 ...	4264
Number of half-timers, Jan., 1918	256
Number of children on Registers, Jan., 1917...	4246
Number of half-timers, Jan., 1917	281
Average attendance, Jan., 1918	3376.1
Average attendance, Jan., 1917	3511.1

The number of children on the registers of all the schools in January, 1918, who had not reached the age of 5 years was 314. These are not included in the figures indicating average attendance.

The Middleton children on the registers of the two schools under the Chadderton Authority numbered in January, 1918, 195. The number was 206 in January, 1917; 201 in January, 1916; 200 in January, 1915; and 229 in January, 1914.

The Sanitary conditions in the schools are fairly good, and there has been no alteration in this respect since my last report. There is still the same difficulty with the ashes and other refuse, which is allowed to accumulate too long before removal, and the receptacles are generally in a very full condition in consequence.

I still have to make my annual complaint of the condition of the latrines as regards limewashing. As I have frequently suggested, there is no reason why this should not be done by the caretakers, at least three times a year, without incurring very great expense.

GENERAL REVIEW OF THE HEALTH OF THE CHILDREN.

There has again been a considerable interference with the school attendance during the year, by the incidence of infectious diseases, especially Measles. Diphtheria was also very prevalent, but Scarlet Fever was much less so than in previous years.

Measles was epidemic from February to June and during the whole year 548 children of school age, that is between the ages of 4 and 13 years, were affected. In addition a very large number of children were away from school in consequence of other members of their family having the disease. All parts of the borough were visited in turn by the epidemic, and the Infant Departments of St. Leonard's, St. Michael's, and Durnford Street Schools were closed, in consequence of the large number of cases in each.

Whooping Cough was also prevalent during the later months of the year. Fifty-six cases were reported during the year, by the head teachers, of which 42 occurred at Rhodes School.

Chickenpox and Mumps were less in evidence than usual, 11 and 12 cases being all that were notified.

The total number of cases of all forms of sickness notified by the teachers was 577.

The numbers of cases of affections of the skin, hair, and eyes, which came to notice, and the majority of which were treated at the office, were :—

Ringworm	80	Impetigo	169
Pediculosis	25	Ophthalmia	80
Scabies	50		

The number of children excluded from school for periods varying from one week to six months was 119.

The total number of visits paid by the School Nurse was 918. They comprised 495 to cases notified by the teachers, 176 for general inspection to the schools, 81 for routine Medical Inspection, and 166 for following up.

The School Clinic was held every week day, except during the holidays, from 9 to 10 in the morning, and Saturday mornings, at 10 a.m., children were seen, who required observation at frequent intervals.

MEDICAL INSPECTION.

The Table I., required by the Chief Medical Officer to the Board of Education, will be found at the end of this report, but the following figures convey a more exact impression of the numbers and ages of the children examined:—

Number of visits for medical inspection 81

Number of children inspected 1736

Boys, 820. Girls, 916.

Attendances of Parents or Guardians 813

With Boys, 364, 44.4%. With Girls, 449, 49%

Letters written to parents, not present, indicating various conditions requiring immediate attention, 29.

SUMMARY OF CHILDREN INSPECTED.

Age.	First		Re.		Specials.		Total	
	Inspections.		inspections.				Inspected.	
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.
4 ..	114	105					114	105
5 ..	101	126	6	8	5		107	134
6 ..	33	36	7	7	2	3	40	43
7 ..	9	26	15	18	11	9	24	44
8 ..	27	17	202	240	4	4	229	257
9 ..	6	12	19	7	8	4	25	19
10 ..	13	8	10	21	6	8	23	29
11 ..	9	12	12	18	8	11	21	30
12 ..	16	23	187	183		1	203	206
13 ..	3	6	31	43		1	34	49
<hr/>								
	331	371	489	545	44	41	820	916
<hr/>								

All the Special Inspections were re-inspections.

The summary of previous illnesses does not show any very marked variation from those of previous years. 85% had had Measles; 42% Whooping Cough; 35% Chickenpox; 11% Scarlet Fever; 3% Diphtheria, and 15% Pneumonia. There was an increase of 1% in the number of children who had had Diphtheria over the number in previous years.

HEIGHT AND WEIGHT.

All children inspected were weighed and measured. The following figures give the average height and weight of the five principal groups:—

BOYS.

Average						
Age.	Height and Weight.			Standard Average.		
13	140.2 cms.	74.3 lbs.	.....	142.5 cms.	77.5 lbs.
12	136 ,,	68.3 ,,	.....	139.8 ,,	72.9 ,,
8	118.1 ,,	49.4 ,,	.....	119.5 ,,	50.4 ,,
5	102.2 ,,	37.6 ,,	.....	103 ,,	38.7 ,,
4	97. ,,	35 ,,	.....	98.2 ,,	35.9 ,,

GIRLS.

Average				Standard Average.	
Age.	Height and Weight.				
13	139.8 cms.	73.6 lbs.	.....	144.5 cms. 80.1 lbs.
12	136.8 „	67.7 „	.....	138.7 „ 73.9 „
8	117.3 „	47.8 „	.....	117.6 „ 48.9 „
5	101.5 „	36.1 „	.....	102.6 „ 37.6 „
4	95.8 „	33.6 „	.....	98.1 „ 34.9 „

The differences in the average of Middleton Children from the Standard average were :—

Age.	Boys.		Girls.	
13	2.3 cms. 3.2 lbs.	.....	4.7 cms. 6.5 lbs.
12	3.8 „ 4.6 „	.....	1.9 „ 6.2 „
8	1.4 „ 1 „	.....	.3 „ 1.1 „
58 „ 1.1 „	.....	1.1 „ 1.5 „
4	1.2 „ .9 „	.....	2.3 „ 1.3 „

In all these groups the average height and weight were less than the Standard. This result is generally arrived at in this compilation, but is accentuated in this year's report especially as regards weight. The variations from Standard are enumerated below, for the years 1915, 1916, and 1917 for comparison :—

Boys' Weight.							Girls' Weight.								
			13	12	8	5	4				13	12	8	5	4
1915	..	3.5	4.2	.1	.9	.4	...	6.7	.5	1.6	.2	.1			
1916	..	5.5	3.5	.3	1.4	.4	...	4.9	4.8	1.2	.5	.9			
1917	..	3.2	4.6	1.	1.1	.9	...	6.5	6.2	1.1	1.5	1.3			

All these variations were below the standard except in the case of the four-year-old children examined in 1915, who averaged .4lbs. above the Standard for that age. The impression conveyed by this table is that the average weight of the younger children, that is the 4 and 5 year old, is decreasing, and it will be interesting to observe, in the figures

for 1918, what the effect of further restrictions on the amount and quality of food, arising from the fourth year of war, will be.

The number of children working half-time, is again considerable, and the comparison of their height and weight, with that of the whole of the Middleton children at the same age is as follows :—

		Boys.		Girls.	
Age		12	13	12	13
No. examined	90	24		67	31
Percentage of					
group	44%	70%		32.5%	63.3%
Average					
height ...	136.7 cms.	139.5 cms.		134.2 cms.	139.5 cms.
Average					
Weight	69 lbs.	74.1 lbs.		65.1 lbs.	73 lbs.
All Children examined—					
Weight	68.3 lbs.	74.3 lbs.		67.7 lbs.	73.6 lbs.
Height	136 cms.	140.2 cms.		136.8 cms.	139.8 cms.

The differences shown by this table are, as has been found in the similar calculations given in previous reports, not very marked, but with the exception of the 12-year-old boys they are in favour of the half-timer, and probably for the same reason, that they are generally the most physically fit children in the group, and have not lost attendances at school owing to sickness.

The number of half-timers inspected during the year in comparison with the three previous years was :—

		Boys.				Girls.			
		12		13		12		13	
1917 ...	90	44%	24	70%	...	67	32.5%	31	63.3%
1916 ...	122	55%	18	56%	...	70	31%	28	49%
1915 ...	114	45%	23	64%	...	62	25%	20	36%
1914 ...	60	26%	24	56%	...	32	14%	19	38%

The occupations followed by these children were :—

	Boys.		Girls.	
Cotton Spinning	70	...	70	
Weaving	1	...	11	
Bleachworks	29	...	8	
Print-works	2	...	2	
Finishing-works	3	...	1	
Errands	5	...	1	
Tinsmith	1	...		
Pawnbroker	1	...		
Boot Repairer	1	...		
Domestic	1	...	4	
Rope-works .....		...	1	
	<hr/> 114		<hr/> 98	

CLOTHING AND FOOTGEAR.

	Boys.			Girls.		
Clothing, sufficient, good						
and clean	785	95.7%	...	892	97.3%	
Clothing, Dirty	35	4.3%	...	24	2.6%	
Insufficient Clothing	5		...	7		
Overclothed	8		...	23		
Bad Footgear	6		...	3		

With few exceptions the children are sufficiently clothed, and, apart from the ordinary dirtiness of clothing, which is usual in young children, especially boys, there is not a very large number of cases in which the clothing can be classed as dirty. Those which are so classed, were in a very bad state, and the attention of the parents was called to each case.

BODILY CLEANLINESS.

	Boys.				Girls.				Total.	
Clean	785	95.8%	-	887	96.8%	-	1672	96.4%		
Dirty	35	4.2%	-	29	3.1%	-	64	3.6%		
Fleabitten	26	3.1%	-	26	2.8%	-	52	3%		
Verminous										
Heads ...	1		-	34	3.7%	-	35	2%		

These results are much the same as last year's. The number of verminous heads found was less than in the previous year, and very few were really bad cases, the majority shewing evidence of the presence of pediculi, by the nitty condition of the hair.

NUTRITION.

	Boys.				Girls.				Total.	
Normal	619	76%	-	686	75%	-	1305	75.3%		
Below normal	149	18%	-	159	17%	-	308	17.7%		
Bad	52	6%	-	71	8%	-	123	7%		

These figures are slightly better than those of last year, in that 1.4% less were found to be under the normal and .8% less were badly nourished.

There has again been no necessity for feeding the children in the schools, and there has been very little evidence of extreme poverty in the Borough.

TEETH.

	Excellent.		Good.		Fair.		Bad.	
Boys	87	10.6%	508	62%	143	17.4%	82	10%
Girls	119	13%	598	65.3%	147	16%	52	5.7%
Total	206	11.8%	1106	63.7%	290	16.8%	134	7.7%

These figures refer to the general condition of the teeth as regards cleanliness, shape, quality, and regularity. The children with excellent teeth had perfect dentures and no decay. Those with bad teeth were very bad indeed, and could not possibly be in a healthy and well-nourished condition with their mouths in such a condition. As regards the amount of decay present the figures are as follows :—

	Boys.			Girls.			Total.	
No decay ...	97	12%	-	144	15.7%	-	241	13.8%
Less than 4								
decayed ...	364	44.3%	-	439	47.9%	-	803	46.2%
More than 4								
decayed ...	359	43.7%	-	333	36.4%	-	692	40%

DISEASES OF HAIR AND SKIN.

The cases occurring at the routine inspection were :—

Ringworm	8
Impetigo	20
Scabies	4
Herpes	2
Alopecia	1
Other diseases	4

ENLARGED TONSILS AND ADENOIDS.

	Boys.		Girls.		Total.	
With tonsils requiring operation	38		29	...	67	3.8%
With adenoids requiring operation	32		32	...	64	3.6%
With enlarged tonsils not requiring operation	20		34	...	54	3.1%
Mouth breathers	17		16	...	23	
Throat deafness	10		10	...	20	
Adenoids had been removed	23		24	...	47	
Number cured during 1917	14		17	...	31	

The number of Mouth Breathers given in the table were children who were not evidently suffering from Adenoids, but would almost inevitably do so later, if the bad habit was not eradicated. Most of the children with Adenoids were also Mouth Breathers.

A small number of children were operated upon during the year, and the Adenoids and Tonsils removed, but there is considerable difficulty in obtaining operative treatment, as the majority of the cases go to one or other of the Manchester Hospitals for it, and there is generally a long delay before they can be attended to.

DISEASES OF THE EAR AND DEAFNESS.

Discharging Ears	17
Excess of Wax	43
Throat Deafness	20
Defective Hearing	23

OTHER DISEASES OF NOSE AND THROAT.

Nasal Catarrh	18
Rhinitis	7
Pharyngitis	6
Laryngitis	2
Polypus nasi	1
Ozæna	1
Tonsillitis	1
Deflected Septum	3

Total ...	39
-----------	----

ENLARGED CERVICAL AND SUBMAXILLARY GLANDS.

Twenty cases of considerably enlarged glands were observed other than those cases due to Tuberculosis. As

a rule the cause was found to be decayed teeth or some other condition of the mouth, or the presence of impetigo on the face or scalp.

DEFECTIVE SPEECH.

There were twenty-two children with this defect. Twelve were cases of stammering.

RICKETS AND DEFORMITIES.

Twenty-eight cases of rickets were noted. The deformities arising from this cause were principally of the chest wall and of the legs. There were 6 cases of knock-knee, 8 of bow-legs, and 4 of curved tibia.

In addition there were twenty cases which had signs of slight rickets causing enlargement of the Epiphyses, and eighteen of these were in the entrants group of children examined.

Of other deformities not due to rickets there were 14 observed, viz. :—Deformed hand, 3; Hammer toe, 3; Club foot, 1; Infantile paralysis, 3; Torticollis, 1; Tubercular joint disease, 2; post Diphtheritic paralysis, 1.

TUBERCULOSIS.

There were no cases of Phthisis discovered in the course of routine inspections, but four cases in which there was a strong suspicion of consumption were transferred to Dr. Stewart, the Tuberculosis Officer, for further examination.

There were also five cases of badly nourished children, who were likely to develop the disease, and all these have been kept under supervision at intervals during the year.

There were seven cases of Tuberculosis of Glands observed and one of Tuberculosis of the Hip Joint. These have all been under treatment, and four have been cured by operation.

In addition to these cases which occurred in the course of routine inspection, there were notified in the Borough during the year, seven cases of Tuberculosis of the Lungs, nine cases of Tubercular Glands, and one of Tubercular Hip Joint. Four of the gland cases have been cured, and one lung case has died.

HEART AND CIRCULATION.

Ten cases were noted with more or less marked heart disease. There were ten cases of irregular pulse and tachycardia, and 53 cases, chiefly girls, were very anæmic.

NERVOUS SYSTEM.

Epilepsy.—Five cases of a mild form were noted. They were all old cases and had improved. They were not of so severe a character as to necessitate exclusion from school.

Chorea.—Five cases were noted. One only was so bad as to require exclusion from school. Seven other cases occurred in the schools of severe chorea, and these were excluded for long periods.

Temperamental nervousness was noted in 40 children, 26 girls and 14 boys, and ten cases of severe and often repeated headache were encountered.

OTHER DISEASES AND DEFECTS.

Bronchial Catarrh.—Twenty-two cases were found which required treatment.

Asthma.—Four cases.

Empyema.—Three children had been operated upon for this condition.

Gastric Catarrh.—Twenty-two cases required treatment.

Gastric Ulcer.—One case.

Mucus Disease.—One case.

Prolapsed Rectum.—One case.

Hernia.—Eight cases. Six had been radically cured, one was wearing a truss, and the remaining one was directed to obtain one.

Alveolar Abscess.—Four cases.

Pyorrhoea Alveolaris.—Four cases.

Ascarides.—Seven cases.

Tapeworm.—One case.

Undescended Testicle.—One case.

Nocturnal Enuresis.—Six cases.

Goitre.—Twenty children had much enlarged thyroid gland.

ACUITY OF VISION AND EYE DISEASE.

	Boys.		Girls.		Total.	
Number tested for						
vision	535		590		1125	
Vision normal	454		439		893	
Vision Defective...	81	15%	151	25%	232	20%
Cases of squint ...	11		12		23	
Wearing spectacles	30		39		69	

Of this number with defective vision, 9 boys and 19 girls were first inspections, and 7 boys and 12 girls special inspections. Of the cases of squint, 9 boys and 4 girls were first inspections. Five boys and eight girls were wearing spectacles for this defect.

The following figures give the details of the routine examination :—

			Boys.	Girls.
Normal	.....		454	... 439
Defective	.....		81	... 151
6/12	R	.....	29	... 64
	L	.....	28	... 65
6/18	R	.....	22	... 53
	L	.....	25	... 49
6/24	R	.....	10	... 18
	L	.....	10	... 19
6/36	R	.....	3	... 1
	L	.....	2	... 1
6/60	R	.....	0	... 0
	L	.....	1	... 1
6/∞	R	.....	1	... 0
	L	.....	4	... 1

All cases with vision worse than 6/12 in either or both eyes were directed to obtain treatment, and many of the children wearing spectacles were also advised to have the vision readjusted.

The further examination of those with defective vision is carried out in the same manner as described in the Report for 1915, and the following are the figures for the children referred for examination by Dr. Harry, of Rochdale :—

Number of notices sent out	.....	145
Refused consultation	.....	8
Left school before date of consultation	.....	6
	—	14
First consultations	.....	107
Re-inspections	.....	40
Obtained spectacles	.....	78
Not requiring spectacles	.....	3
Operation	.....	1

Six of these cases remained untreated at the end of the year.

Of the diseases of the eyes and eyelids, the following cases occurred, and where treatment was likely to be of use, the children attended at the clinic for the necessary application :—

	Boys.	Girls.
Blepharitis	12	13
Granular lids	2	1
Conjunctivitis	5	3
Corneal Ulcer	0	1
Stye	4	3
Meibomian cyst	0	1
	23	22

TREATMENT AT CLINIC.

The following cases have presented themselves for examination or treatment :—

Examination.	Cases.	Attend.	Treatment.	Cases.	Attend.
Malnutrition	8	13	Ophthalmia ...	82	294
Rickets	4	4	Pediculosis ...	25	37
Eye cases (vision)	6	7	Ringworm	80	257
Measles	5	5	Impetigo	169	324
Enlarged glands...	15	15	Scabies	50	99
Chorea	2	2	Septic wounds	53	166
Tonsillitis	3	3	Abscess	11	36
Alopecia areata ...	1	1	Tubercular		
Ear diseases	2	2	glands	7	32
Other diseases ...	7	7	Non-Tubercular		
Scabies (Inspection)	45	53	glands	15	46
			Ear disease ...	4	5
			Accidents	28	58
			Other ailments	11	22
			Burns & scalds	3	18
	98	112		538	1394

CONCLUSION.

Of the total number of children examined, in the routine inspections, viz., 1,736, there were only 53 boys and 63 girls, a total of 116, who were perfectly satisfactory in all respects, that is, who had no condition open to criticism. If they had perfectly clean bodies and clothing, they had bad teeth, enlarged tonsils, bad sight, or some other defect, which required treatment, and some who were perfectly normal, physically, had dirty bodies or clothing.

**TABLE I.—NUMBER OF CHILDREN INSPECTED
JAN. 1st, 1917, TO DEC. 31st, 1917.**

	Entrants.					Leavers.		
Age	4	5	6	other ages	Totl	12	13	Totl
Boys	114	107	40	93	354	203	34	237
Girls	105	134	43	122	404	206	49	255
Total	219	241	83	215	758	409	83	492

	Int'rmediate Group	Grand Total	Special Cases	Re-examin't'ns
Boys	229	820	44	489
Girls	257	916	41	545
Total	486	1736	85	1034

Note.—(1) All special examinations were re-inspections.

(2) The total first inspections of ages other than 8, 12, and 13, was 255 boys and 325 girls, total 580, and at these ages there were 46 boys and 46 girls who were entrants, the actual number of entrants was therefore 672. The details will be found in the body of this report.

Table II. Return of Defects found in the course of Medical Inspection In 1917

Defect or Disease.		Code Groups		Specials.	
		Referred for treatment	Requiring to be kept under observation only.	Referred for treatment.	Required to be kept under observation only.
	Malnutrition	112	..	11	..
	Uncleanliness, Head	34	..	1	..
	" Body	63	..	1	..
Skin.	Ringworm, Head	2	..	3	..
	" Body .. ..	..	..	3	..
	Scabies .. .. .	..	..	4	..
	Impetigo	20	..	..	..
	Other diseases	7	..	..	..
Eye.	Defective Vision and Squint	112	100	20	..
	External eye diseases	45	..	..	..
Ear.	Defective hearing	41	..	2	..
	Ear disease	13	43	4	..
Teeth.	Dental disease	10	..	6	..
Nose and Throat	{ Enlarged Tonsils	20	50	4	4
	{ Adenoids	21	8	1	..
	{ Enlarged Tonsils and Adenoid	38	..	5	..
	Defective speech .. .. .	..	19	..	3
Heart and Circulation	{ Organic Heart disease .. ..	..	9	..	1
	{ Functional " .. ..	..	9	..	1
	{ Anæmia	53	..	..	..
Lungs.	{ Definite Tuberculosis .. ..	..	..	..	..
	{ Suspected "	4	2	..	3
	{ Chronic Bronchitis	2	..	2	..
	{ Other diseases .. .. .	..	4	..	..
Nervous System	{ Epilepsy .. .. .	..	3	..	2
	{ Chorea	2	..	3	..
	{ Other diseases	2	..	..	..
Nonpulmonary Tuberculosis, Glands		7	..	..	..
	" Bones and Joints..	1	..	..	..
	" Other forms.. ..	..	..	..	..
	Rickets	45	..	3	..
	Deformities	3	17	..	..
	Other defects or diseases	62	..	7	..

TABLE III.—NUMERICAL RETURN OF ALL EXCEPTIONAL CHILDREN IN THE AREA IN 1917.

		Boys	Girls	Total
Blind (including partially blind). Deaf and Dumb (including partially deaf).	Attending Public Elementary Schools	4	4	8
	Attending Certified Schools for the Blind .....	..	..	..
	Not at School .....	..	1	1
	Attending Public Elementary Schools	4	4	8
	Attending Certified Schools for the Deaf	1	..	1
	Not at School .....	..	..	..
	Attending Public Elementary Schools	5	4	9
	Attending Certified Schools for Mentally Defective Children .....	..	..	..
	Notified to the Local (Control) Authority during the Year .....	..	..	..
	Not at School .....	..	..	..
Mentally Deficient.	At School .....	..	2	2
	Not at School	2	2	4
	Not at School	1	..	1
	Attending Public Elementary Schools	3	..	3
	Attending Certified Schools for Epileptics .....	..	1	1
Epileptics.	Not at School .....	..	1	1
	Attending Public Elementary Schools .....	..	1	1
	Attending Certified Schools for Physically Defective Children .....	..	..	..
	Not at School	4	3	7
	Attending Public Elementary Schools	5	9	14
Physically Defective.	Attending Certified Schools for Physically Defective Children .....	..	..	..
	Not at School	3	4	7
	Attending Public Elementary Schools	12	17	29
	Attending Certified Schools for Cripples others than Tubercular. Children .....	..	..	..
	Not at School .....	..	1	1
Dull or Backward.*	Retarded 2 years	15	11	26
	Retarded 3 years	1	..	1

* Judged according to age and standard.

Table IV. Treatment of Defects found in 1917

Condition	No. of defects for which T was necessary			No report available	No. of defects treated.	Results			Notifiable	Percentage treated
	Old Cses	New Cses	Ttal			Remedied	Improved	Unchanged		
Clothing .. .. .	..	102	102	..	102	102	..	..	..	100
Footgear .. .. .	..	9	9	..	9	9	..	..	..	100
Cleanliness, Head .. .. .	..	36	36	..	36	36	..	..	..	100
„ Body .. .. .	..	64	64	..	64	64	..	..	..	100
Nutrition .. .. .	..	123	123	60	63	63	..	..	..	52
Nose and Throat	149	82	231	65	73	59	6	8	..	31
Ex' Eye Disease .. .. .	..	45	45	..	45	42	3	..	..	100
Ear Disease .. .. .	..	86	86	40	46	38	8	..	..	53
Teeth .. .. .	..	..	See	body of report			..	..	..	..
Heart and Circulation ..	20	63	83	23	30	20	9	1	..	36
Lungs .. .. .	..	35	35	..	35	22	8	5	..	100
Nervous System .. .. .	..	8	8	..	8	3	5	..	..	100
Skin .. .. .	..	39	39	..	39	35	3	1	..	100
Rickets .. .. .	..	48	48	..	20	..	20	..	28	40
Deformities .. .. .	..	32	32	18	3	..	3	..	11	10
Tuberculosis. Nonp'lmon'ry	..	..	See	body of report			..	..	..	..
Speech .. .. .	..	22	22	..	..	..	..	..	22	..
Mental Condition .. .. .	..	6	6	..	..	..	..	..	6	..
Vision and Squint	147	28	175	6	111	82	..	29	57	63
Hearing	23	43	66	10	56	16	17	23	..	85
Miscellaneous	15	69	84	8	59	40	5	14	17	70

